Application No.: 10/516,361 Docket No. 3875-033

Amendment and Response to Office Action mailed 09/28/2007

## AMENDMENTS TO THE SPECIFICATION

Please replace page 34 of the specification as amended herewith:

N,N,N',N'-tetramethyl-6-carboxyrhodimne (TAMRA)

tetramethyl rhodamine

tetramethyl rhodamine isothiocyanate(TRITC)

riboflavin

rosolic acid

terbium chelate derivatives

europium chelate derivatives

In the above method of the invention, the oligonucleotides used are preferably selected to have the following sequences:

[[1).]] 5'-GGG GTA CTA CAG CGC CCT GA - 3'

Seq Id 19:	[[2).]] 5'-GGG GTA CTA CAG CGC CCT GA -3'     FAM
Seq Id 13: Seq Id 20:	[[3).]] 5'-GTC CTG GAA GAT GGC CAT GG -3' [[4).]] 5'-GTC CTG GAA GAT GGC CAT GG -3' JOE
Seq Id 12:	[[5).]] 5'-ATG GCC ATC GTC CTG GAA GAT GGC CAT GG -3'
Seq Id 22: -3'	[[6).]] 5'-DABCYL-ATG GCC ATC GTC CTG GAA GAT GGC CAT GG JOE
Seq Id 23:	[[7).]] 5'-DABCYL-ATG GCC ATC GTC CTG GAA GAT GGC CAT GG $-3$ '
Seq Id 24:	FAM [[8).]] 5'-GCT CAT GGC GCC TGC CTG G –3'    DABCYL
Seq Id 11:	[[9).]] 5'-ATG GCC ATG TCC TGG AAG ATG GCC ATG G -3'

{WP442862;1} Page 2 of 26

Seq Id 21: [[10].]] 5'- GGG GTA CTA CAG CGC CCT - 3'

Seq Id 25: [[11).]] 5'- GTC CTG GAA GAT GGC CAT GG – 3'

Rhod

Seq Jd 26: [[12).]] 5' GTC CTG GAA GAT GGC CAT GG – 3'

JOE

Page 3 of 26